OIPE

RAW SEQUENCE LISTING DATE: 01/29/2002
PATENT APPLICATION: US/09/993,756A TIME: 10:55:29

Input Set : N:\Crf3\RULE60\09993756A.raw
Output Set: N:\CRF3\01292002\I993756A.raw

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Akerblom, Ingrid E.

(ii) TITLE OF INVENTION: A NOVEL HUMAN LEPTIN RECEPTOR GENE-RELATED PROTEIN

(iii) NUMBER OF SEQUENCES: 4

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Incyte Pharmaceuticals, Inc.

(B) STREET: 3174 Porter Drive

(C) CITY: Palo Alto

(D) STATE: CA

(E) COUNTRY: U.S.

(F) ZIP: 94304

ENTERED

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette

(B) COMPUTER: IBM Compatible

(C) OPERATING SYSTEM: DOS

(D) SOFTWARE: FastSEQ Version 1.5

(vi) CURRENT APPLICATION DATA:

C--> (A) **APPLICATION NUMBER: US/09/993,756A**

C--> (B) **FILING DATE: 05-Nov-2001**

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US/09/212,153

(B) FILING DATE:

(A) APPLICATION NUMBER: US/08/843,370

(B) FILING DATE:

(A) APPLICATION NUMBER: US 08/691,071

(B) FILING DATE: August 1, 1996

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Billings, Lucy J.

(B) REGISTRATION NUMBER: 36,749

(C) REFERENCE/DOCKET NUMBER: PF-0111-1 US

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 415-855-0555

(B) TELEFAX: 415-845-4166

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 131 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(vii) IMMEDIATE SOURCE:

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(A) LIBRARY: HNT2NOT01
(B) CLONE: 492703
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

```
Met Ala Gly Val Lys Ala Leu Val Ala Leu Ser Phe Ser Gly Ala Ile
 1               5                  10                  15
Gly Leu Thr Phe Leu Met Leu Gly Cys Ala Leu Glu Asp Tyr Gly Val
            20                  25                  30
Tyr Trp Pro Leu Phe Val Leu Ile Phe His Gly Ile Ser Pro Ile Pro
        35                  40                  45
His Phe Ile Ala Lys Arg Val Thr Tyr Asp Ser Asp Ala Thr Ser Ser
    50                  55                  60
Ala Cys Arg Glu Leu Ala Tyr Phe Phe Thr Thr Gly Ile Val Val Ser
65                  70                  75                  80
Ala Phe Gly Phe Pro Val Ile Leu Ala Arg Val Ala Val Ile Lys Trp
                85                  90                  95
Gly Ala Cys Gly Leu Val Leu Ala Gly Asn Ala Val Ile Phe Leu Thr
            100                 105                 110
Ile Gln Gly Phe Phe Leu Ile Phe Gly Arg Gly Asp Asp Phe Ser Trp
        115                 120                 125
Glu Gln Trp
    130
```

(2) INFORMATION FOR SEQ ID NO: 2:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 874 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: cDNA
(vii) IMMEDIATE SOURCE:
(A) LIBRARY: HNT2NOT01
(B) CLONE: 492703
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

```
GTCTGGCTTG GGCAGGCTGC CCGGGCCGTG GCAGGAAGCS GGAAGCAGCC GCGGCCCCAG     60
TTCGGGAGAC ATGGCGGGCG TTAAAGCTCT CGTGGCATTA TCCTTCAGTG GGGCTATTGG    120
ACTGACTTTT CTTATGCTGG GATGTGCCTT AGAGGATTAT GGCGTTTACT GGCCCTTATT    180
CGTCCTGATT TTCCACGGCA TCTCCCCCAT CCCCCATTTC ATTGCCAAAA GAGTCACCTA    240
TGACTCAGAT GCAACCAGTA GTGCCTGTCG GGAACTGGCA TATTTCTTCA CTACTGGAAT    300
TGTTGTTTCT GCCTTTGGAT TTCCTGTTAT TCTTGCTCGT GTGGCTGTGA TCAAATGGGG    360
AGCCTGCGGC CTTGTGTTGG CAGGCAATGC AGTCATTTTC CTTACAATTC AAGGGTTTTT    420
CCTTATATTT GGAAGAGGAG ATGATTTTAG CTGGGAGCAG TGGTAGCACT TTATTCTGAT    480
TACAGTGCAT TGAATTTCTT AGAACTCATA CTATCTGTAT ACATGTGCAC ATGCGGCATT    540
TTACTATGAA ATTTAATATG CTGGGTTTTT TAATACCTTT ATATATCATG TTCACTTTAA    600
GAAAGACTTC ATAAGTAGGA GATGAGTTTT ATTCTCAGCA AATAGACCTG TCAAATTTAG    660
ATTATGTTAC TCAAATTATG TTACTTGTTT GGCTGTTCAT GTAGTCACGG TGCTCTCAGA    720
AAATATATTA ACGCAGTCTT GTAGGCAGCT GCCACCTTAT GCAGTGCATC GAAACCTTTT    780
GCTTGGGGAT GTGCTTGGAG AGGCAGATAA CGCTGAAGCA GGCCTCTCAT GACCCAGGAA    840
GGCCGGGGTG GWTCCCTCTT TKTTTTGTAG TCCA                                874
```

(2) INFORMATION FOR SEQ ID NO: 3:
(i) SEQUENCE CHARACTERISTICS:

RAW SEQUENCE LISTING DATE: 01/29/2002
PATENT APPLICATION: US/09/993,756A TIME: 10:55:29

Input Set : N:\Crf3\RULE60\09993756A.raw
Output Set: N:\CRF3\01292002\I993756A.raw

(A) LENGTH: 145 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(vii) IMMEDIATE SOURCE:
(A) LIBRARY: GenBank
(B) CLONE: 733888
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

Met Cys Cys His Ile His Ile Gln Cys Phe Asp Cys Cys Ser Met Lys
1 5 10 15
Asn Thr Ile Leu Ala Val Ala Ala Leu Ala Phe Ala Gly Val Val Gly
20 25 30
Leu Thr Phe Leu Val Leu Gly Cys Ala Leu Pro Arg Tyr Gly Thr Trp
35 40 45
Thr Pro Met Phe Val Ile Thr Phe Tyr Val Leu Ser Pro Val Pro Leu
50 55 60
Leu Ile Ala Arg Arg Phe Gln Glu Asp Met Thr Gly Thr Asn Ala Cys
65 70 75 80
Ile Glu Leu Ala Leu Phe Ile Thr Thr Gly Ile Val Ile Ser Ala Phe
85 90 95
Ala Leu Pro Ile Val Leu Ala His Ala Gly Thr Ile Ala Met Ser Ala
100 105 110
Cys Phe Leu Ile Phe Ile Ala Asn Ser Ile Asn Phe Ser Val Ile Ile
115 120 125
Phe Tyr Phe Arg Ile Phe Asn Gly Glu Asp Met Asn Gly Met Ser Leu
130 135 140
Trp
145

(2) INFORMATION FOR SEQ ID NO: 4:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 140 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(vii) IMMEDIATE SOURCE:
(A) LIBRARY: GenBank
(B) CLONE: 1197072
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Met Met Glu Phe Lys Val Ser Pro Leu Thr Lys Ile Ile Ser Leu Ser
1 5 10 15
Gly Phe Leu Ala Leu Gly Phe Leu Leu Val Ile Leu Ser Cys Ala Leu
20 25 30
Phe His Asn Tyr Tyr Pro Leu Phe Asp Ile Leu Ile Phe Leu Leu Ala
35 40 45
Pro Ile Pro Asn Thr Ile Phe Asn Ala Gly Asn Lys Tyr His Thr Ser
50 55 60
Asp Phe Met Ser Asp Ser Ser Asn Thr Gly Gln Asp Leu Ala His Phe

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```
177  65                  70                  75                  80
178  Leu Thr Gly Met Leu Val Thr Ser Gly Ile Ala Leu Pro Val Val Phe
179                  85                  90                  95
180  Tyr His Cys Gln Leu Ile Gly His Leu Ser Cys Ile Met Cys Met Ile
181              100                 105                 110
182  Gly Gly Leu Ile Ile Tyr Ser Ser Ile Val Ile Phe Lys Trp Phe Phe
183          115                 120                 125
184  Lys Lys Asp Phe Asn Glu Asp Asp Ser Leu Phe Gly
185      130                 135                 140
```

VERIFICATION SUMMARY DATE: 01/29/2002
PATENT APPLICATION: US/09/993,756A TIME: 10:55:30

Input Set : N:\Crf3\RULE60\09993756A.raw
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L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]